

1638

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Total Number of Pages in This Submission

14

Application Number

09/771,009

Filing Date

January 25, 2001

First Named Inventor

Steven P. Holzberg

Group Art Unit

1638

Examiner Name

Georgia L. Helmer

Attorney Docket Number

60-017200US

ENCLOSURES *(check all that apply)*

- Fee Transmittal Form
- Fee Attached
- Amendment / Response
- After Final
- Affidavits/declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts/ Incomplete Application
- Response to Missing Parts under 37 CFR 1.52 or 1.53

- Assignment Papers *(for an Application)*
- Drawing(s)
- Licensing-related Papers
- Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- Petition to Convert to a Provisional Application
- Power of Attorney, Revocation Change of Correspondence Address
- Terminal Disclaimer
- Small Entity Statement
- Request for Refund

- After Allowance Communication to Group
- Appeal Communication to Board of Appeals and Interferences
- Appeal Communication to Group *(Appeal Notice, Brief, Reply Brief)*
- Proprietary Information
- Status Letter
- Additional Enclosure(s) *(please identify below):*
- Sequence Listing letter; replacement CRF and Paper copy of Sequence Listing; receipt acknowledgment postcard

Authorization to Charge Deposit Account

Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name *Paul Littlepage*, Reg. No. 48,581, Quine Intellectual Property Law Group, P.C.Signature *Paul Littlepage*

Date August 4, 2004

CERTIFICATE OF MAILING

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Date

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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By Amelia Weintraub
Amelia Weintraub

Attorney Docket No. 60-017200US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steven P. Holzberg, et al.

Application No.: 09/771,009

Filed: January 25, 2001

For: CYTOPLASMIC INHIBITION OF GENE
EXPRESSION AND EXPRESSION OF A
FOREIGN PROTEIN IN A MONOCOT
PLANT BY A PLANT VIRAL VECTOR

Examiner: Steven P. Holzberg

Art Unit: 1638

REPLACEMENT SEQUENCE LISTING

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Sir:

Applicants respectfully submit the enclosed Sequence Listing to replace the sequence listing previously submitted on March 11, 2004.

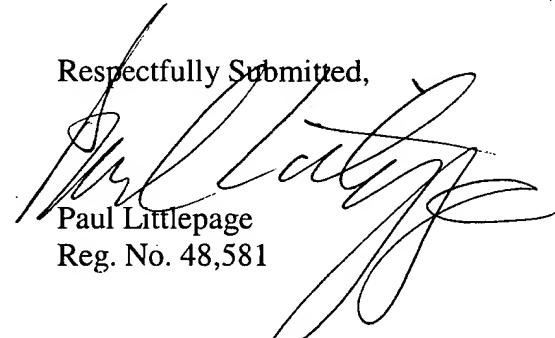
REMARKS

This replacement sequence listing merely corrects a typographical error in the previously submitted Sequence Listing, and therefore introduces no new matter. A replacement Computer Readable Form (CRF), as well as a paper copy of the sequence listing, is enclosed.

The correction appears on page 6, in SEQ ID NO: 39. The field indicating the number of nucleotides (field <211>) has been corrected to read "32" instead of "33."

The undersigned hereby states that the Sequence Listing submitted concurrently herewith does not include matter which goes beyond the content of the application as filed and that the information recorded on the diskette submitted concurrently herewith is identical to the written Sequence Listing.

Respectfully Submitted,


Paul Littlepage
Reg. No. 48,581

QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.
P.O. BOX 458
Alameda, CA 94501
(510) 337-7871
Fax (510) 337-7877



60-017200US sequence listing.txt

SEQUENCE LISTING

<110> HOLZBERG, STEVEN P.
POGUE, GREGORY P.

<120> CYTOPLASMIC INHIBITION OF GENE
EXPRESSION AND EXPRESSION OF A FOREIGN PROTEIN IN A MONOCOT
PLANT BY A PLANT VIRAL VECTOR

<130> 60-017200US

<140> 09/771,009
<141> 2001-01-25

<160> 74

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 17
<212> PRT
<213> Coxsackie virus

<400> 1
Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser Asn Pro Gly
1 5 10 15
Pro

<210> 2
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 2
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Leu Gly Pro
20

<210> 3
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 3
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Arg Pro
20

<210> 4
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 4
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Gly Pro
20

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<210> 5
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 5
Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Gly Pro
20

<210> 6
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 6
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Gly Pro
20

<210> 7
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 7
His Tyr Ala Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr
1 5 10 15
Asn Pro Gly Pro
20

<210> 8
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 8
His Tyr Ala Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr
1 5 10 15
Asn Pro Gly Pro
20

<210> 9
<211> 20
<212> PRT
<213> Coxsackie virus

<400> 9
Tyr His Ala Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met
1 5 10 15
Asn Pro Gly Pro
20

<210> 10
<211> 19
<212> PRT
<213> Coxsackie virus

<400> 10
Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15

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Asn Pro Gly

<210> 11		
<211> 28		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 11		
cttcttccgt tgcttagctaa aaaaaaaaa	28	
<210> 12		
<211> 21		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 12		
agttacttct tgaatttctc c	21	
<210> 13		
<211> 39		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 13		
tatagcgcgc atttaaattt gtcttccctt gggggaccg	39	
<210> 14		
<211> 49		
<212> DNA		
<213> <i>Saccharomyces cerevisiae</i>		
<400> 14		
tatgcttagct gattaattaa gtcgacgagc tgatttaaca aattttaac	49	
<210> 15		
<211> 44		
<212> DNA		
<213> <i>Saccharomyces cerevisiae</i>		
<400> 15		
tatgcttagct gagcggccgc gcacgtgtca gtcctgctcc tcgg	44	
<210> 16		
<211> 46		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 16		
tatacttagtt taattaagtc gaccatggct agcaaaggag aagaac	46	
<210> 17		
<211> 44		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 17		
tatacttagtt gagcggccgc ttattttgttag agctcatccca tgcc	44	
<210> 18		
<211> 43		
<212> DNA		
<213> Barley stripe mosaic		

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<400> 18		
tatagagctc tacaaatcta gaatggctac tttctcttgt gtg		43
<210> 19		
<211> 21		
<212> DNA		
<213> Barley stripe mosaic virus		
<400> 19		
agagtcggtt aagattcatg g		21
<210> 20		
<211> 30		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 20		
cattaattaa gatgatggct agcaaaggag		30
<210> 21		
<211> 112		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 21		
atatctagac ctaggaccag ggtagattc cacgtcaccc gccaacttca gcaaatcaaa		60
attcaacagc tgttttaga gctcagcggc cgccttgtat agctcatcca tg		112
<210> 22		
<211> 98		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 22		
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cctggccctg tcgacaaagg agaagaactt ttcaactgg		98
<210> 23		
<211> 49		
<212> DNA		
<213> Tobacco mosaic virus		
<400> 23		
tatgctagcg atcaatttagc ggccgcttat ttgttagagct catccatgc		49
<210> 24		
<211> 39		
<212> DNA		
<213> Homo sapiens		
<400> 24		
ggccgcttat ccgtatgatg ttccggatta tgccgagct		39
<210> 25		
<211> 31		
<212> DNA		
<213> Homo sapiens		
<400> 25		
cggcataatc cggaacatca tacggataag c		31
<210> 26		

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<211> 42
<212> DNA
<213> Chicken

<400> 26
ggccgctgaa caaaagctta tctctgagga agatctttag ct 42

<210> 27
<211> 34
<212> DNA
<213> Chicken

<400> 27
caagatcttc ctcagagata agctttgtt cagc 34

<210> 28
<211> 39
<212> DNA
<213> Cnidaria

<400> 28
ggccgctcat catcaccatc accatcacca tcacgagct 39

<210> 29
<211> 31
<212> DNA
<213> Cnidaria

<400> 29
cgtgatggtg atggtgatgg tgatgtatgag c 31

<210> 30
<211> 32
<212> DNA
<213> Brome mosaic virus

<400> 30
tatttaatta agatgtcgac ttcaggaact gg 32

<210> 31
<211> 30
<212> DNA
<213> Brome mosaic virus

<400> 31
tatgcggccg ccctataaag cgggggtgaag 30

<210> 32
<211> 33
<212> DNA
<213> Chicken

<400> 32
tatttaatta agatgacttg ccagacttac aac 33

<210> 33
<211> 31
<212> DNA
<213> Chicken

<400> 33
tatgcggccg cgcaattgca tctcctctga g 31

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<210> 34
<211> 34
<212> DNA
<213> Bovine

<400> 34
tatttaatta agatgaaggc tctcgttatt ctgg 34

<210> 35
<211> 30
<212> DNA
<213> Bovine

<400> 35
tatgcggccg ccagggtgca accctcaacg 30

<210> 36
<211> 38
<212> DNA
<213> Homo sapiens

<400> 36
tatttaatta agatggaaa aatggcttct ctatttgc 38

<210> 37
<211> 33
<212> DNA
<213> Homo sapiens

<400> 37
tatgcggccg cgaaaccgca ggaaccttca acg 33

<210> 38
<211> 33
<212> DNA
<213> Tomato

<400> 38
tatttaatta agatggagtc aaagtttgct cac 33

<210> 39
<211> 32
<212> DNA
<213> Tomato

<400> 39
tatgcggccg cagtcaccac aggcatttgt ac 32

<210> 40
<211> 25
<212> DNA
<213> Barley stripe mosaic virus

<400> 40
atagatatcg atccccttat agtgc 25

<210> 41
<211> 34
<212> DNA
<213> Barley stripe mosaic virus

<400> 41
atagctagca agcatgcgaa ggtaaataca gtag 34

60-017200US sequence listing.txt

<210> 42
<211> 46
<212> DNA
<213> Barley stripe mosaic virus

<400> 42
tatactagtt taattaagtc gaccatggct agcaaaggag aagaac 46

<210> 43
<211> 44
<212> DNA
<213> Barley stripe mosaic virus

<400> 43
tattctagat gagcggccgc ttattttag agctcatcca tgcc 44

<210> 44
<211> 46
<212> DNA
<213> Barley stripe mosaic virus

<400> 44
tatagagctc tacaataat ctagaatggc tactttctct tgtgtg 46

<210> 45
<211> 21
<212> DNA
<213> Barley stripe mosaic virus

<400> 45
agagtcgtt aagattcatg g 21

<210> 46
<211> 35
<212> DNA
<213> Barley stripe mosaic virus

<400> 46
atataggct cccatgatgg ctactttctc ttgtg 35

<210> 47
<211> 39
<212> DNA
<213> Barley stripe mosaic virus

<400> 47
tattaggtct cccatggcct tagaaacgga agaagaatc 39

<210> 48
<211> 35
<212> DNA
<213> Barley stripe mosaic virus

<400> 48
atataggct cccatgatgg ctactttctc ttgtg 35

<210> 49
<211> 37
<212> DNA
<213> Barley stripe mosaic virus

<400> 49

tattaggtct cccatggcag gaccagggtt agattcc

37

<210> 50
 <211> 21
 <212> DNA
 <213> Barley stripe mosaic virus

<400> 50
 ggaaagccgg cgaacgtggc g

21

<210> 51
 <211> 58
 <212> DNA
 <213> Barley stripe mosaic virus

<400> 51
 tatattcgaa tctagaatcg atgcttagctt gcatgctgtg aagtggtaaa agaaatgc

58

<210> 52
 <211> 35
 <212> DNA
 <213> Tobacco mosaic virus

<400> 52
 atataggctc cccatggcta gcaaaggaga agaac

35

<210> 53
 <211> 48
 <212> DNA
 <213> Tobacco mosaic virus

<400> 53
 tattaggtct cacatgcattg ctctagattt gtagagctca tccatgcc

48

<210> 54
 <211> 35
 <212> DNA
 <213> Tobacco mosaic virus

<400> 54
 atataggctc cccatggcta gcaaaggaga agaac

35

<210> 55
 <211> 100
 <212> DNA
 <213> Tobacco mosaic virus

<400> 55
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 aatcaaatt caacagctgt ttgttagagct catccatgcc

60

100

<210> 56
 <211> 35
 <212> DNA
 <213> Tobacco mosaic virus

<400> 56
 atataggctc cccatggcta gcaaaggaga agaac

35

<210> 57
 <211> 41
 <212> DNA
 <213> Tobacco mosaic virus

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<400> 57
tattagaatt ctcttagatta tttgttagagc tcatccatgc c 41

<210> 58
<211> 31
<212> DNA
<213> Barley stripe mosaic virus

<400> 58
tatactagta tggacatgac gaaaactgtt g 31

<210> 59
<211> 31
<212> DNA
<213> Barley stripe mosaic virus

<400> 59
tatgctagct tatttggcct tgaaccaact g 31

<210> 60
<211> 31
<212> DNA
<213> Barley stripe mosaic virus

<400> 60
tatactagtc agctgttgaa ttttGatttg c 31

<210> 61
<211> 35
<212> DNA
<213> Black hulless barley

<400> 61
atattaatta actaaaccca tattgcttga ggcaa 35

<210> 62
<211> 35
<212> DNA
<213> Black hulless barley

<400> 62
tatgcggccg cctagtgtag tcaccagcta gatag 35

<210> 63
<211> 35
<212> DNA
<213> Black hulless barley

<400> 63
tatgcggccg cctactttca ggaggattac catcc 35

<210> 64
<211> 35
<212> DNA
<213> Black hulless barley

<400> 64
atattaatta actggatgaa aaagcagggt gttcc 35

<210> 65
<211> 32
<212> DNA

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<213> Corn leaf

<400> 65
atattaatta acatggacac tggctgcctg tc 32

<210> 66
<211> 35
<212> DNA
<213> Corn leaf

<400> 66
tatgcggccg cctacaaagc aatcaaaatg cactg 35

<210> 67
<211> 34
<212> DNA
<213> Corn leaf

<400> 67
atattaatta acaaggttagc tgcttggaaag gatg 34

<210> 68
<211> 35
<212> DNA
<213> Corn leaf

<400> 68
tatgcggccg cctagcaggt tactgacatg tctgc 35

<210> 69
<211> 33
<212> DNA
<213> Corn leaf

<400> 69
atattaatta accagtgcattttgattgct ttg 33

<210> 70
<211> 35
<212> DNA
<213> Corn leaf

<400> 70
tatgcggccg cctaagatgg gacggaaact tctcc 35

<210> 71
<211> 35
<212> DNA
<213> Nicotiana benthamiana

<400> 71
atattaatta acatgccccca aattggactt gtttc 35

<210> 72
<211> 35
<212> DNA
<213> Nicotiana benthamiana

<400> 72
tatgcggccg cctactaaac tacgcttgct tctgc 35

<210> 73
<211> 35

60-017200US sequence listing.txt

<212> DNA

<213> Nicotiana benthamiana

<400> 73

tatgcggccg cctagggtt atgaagttaa gtgcc

35

<210> 74

<211> 35

<212> DNA

<213> Nicotiana benthamiana

<400> 74

atattaatta acaaggcact taacttcata aaccc

35